

1. Record Nr.	UNINA9910143911703321
Titolo	Gesture and Sign Languages in Human-Computer Interaction : International Gesture Workshop, GW 2001, London, UK, April 18-20, 2001. Revised Papers / / edited by Ipke Wachsmuth, Timo Sowa
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2002
ISBN	3-540-47873-6
Edizione	[1st ed. 2002.]
Descrizione fisica	1 online resource (XII, 332 p.)
Collana	Lecture Notes in Artificial Intelligence ; ; 2298
Disciplina	004/.01/9
Soggetti	Artificial intelligence User interfaces (Computer systems) Robotics Automation Pattern recognition Optical data processing Computer graphics Artificial Intelligence User Interfaces and Human Computer Interaction Robotics and Automation Pattern Recognition Image Processing and Computer Vision Computer Graphics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Invited Paper -- Research on Computer Science and Sign Language: Ethical Aspects -- Gesture Recognition -- An Inertial Measurement Framework for Gesture Recognition and Applications -- Interpretation of Shape-Related Iconic Gestures in Virtual Environments -- Real-Time Gesture Recognition by Means of Hybrid Recognizers -- Development of a Gesture Plug-In for Natural Dialogue Interfaces -- A Natural Interface to a Virtual Environment through Computer Vision-Estimated Pointing Gestures -- Recognition of Sign Language -- Towards an

Automatic Sign Language Recognition System Using Subunits --
Signer-Independent Continuous Sign Language Recognition Based on
SRN/HMM -- A Real-Time Large Vocabulary Recognition System for
Chinese Sign Language -- The Recognition of Finger-Spelling for
Chinese Sign Language -- Overview of Capture Techniques for Studying
Sign Language Phonetics -- Gesture and Sign Language Synthesis --
Models with Biological Relevance to Control Anthropomorphic Limbs: A
Survey -- Lifelike Gesture Synthesis and Timing for Conversational
Agents -- SignSynth: A Sign Language Synthesis Application Using
Web3D and Perl -- Synthetic Animation of Deaf Signing Gestures --
From a Typology of Gestures to a Procedure for Gesture Production --
A Signing Avatar on the WWW -- Nature and Notation of Sign Language
-- Iconicity in Sign Language: A Theoretical and Methodological Point
of View -- Notation System and Statistical Analysis of NMS in JSL --
Head Movements and Negation in Greek Sign Language -- Study on
Semantic Representations of French Sign Language Sentences --
SignWriting-Based Sign Language Processing -- Gestural Action &
Interaction -- Visual Attention towards Gestures in Face-to-Face
Interaction vs. on Screen -- Labeling of Gestures in SmartKom - The
Coding System -- Evoking Gestures in SmartKom - Design of the
Graphical User Interface -- Quantitative Analysis of Non-obvious
Performer Gestures -- Interactional Structure Applied to the
Identification and Generation of Visual Interactive Behavior: Robots that
(Usually) Follow the Rules -- Are Praxical Gestures Semiotised in Service
Encounters? -- Applications Based on Gesture Control -- Visually
Mediated Interaction Using Learnt Gestures and Camera Control --
Gestural Control of Sound Synthesis and Processing Algorithms --
Juggling Gestures Analysis for Music Control -- Hand Postures for
Sonification Control -- Comparison of Feedforward (TDRBF) and
Generative (TDRGBN) Network for Gesture Based Control.
